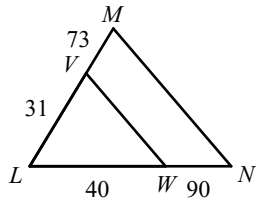


3.2 - PRACTICE

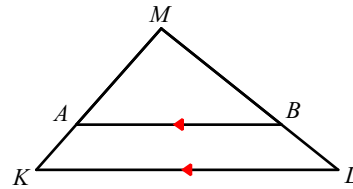
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1)



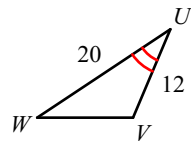
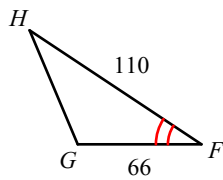
$\triangle LMN \sim$ _____

2)



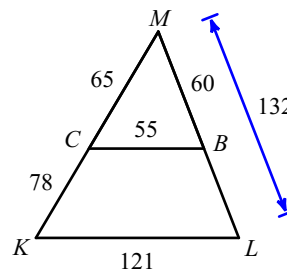
$\triangle MLK \sim$ _____

3)



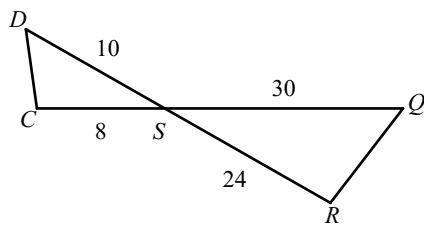
$\triangle FGH \sim$ _____

4)



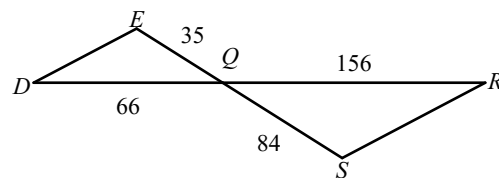
$\triangle MLK \sim$ _____

5)



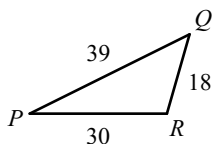
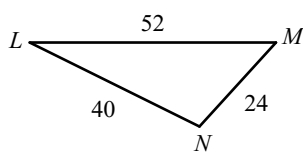
$\triangle SRQ \sim$ _____

6)



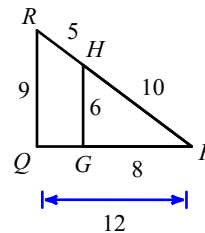
$\triangle QRS \sim$ _____

7)



$\triangle LMN \sim$ _____

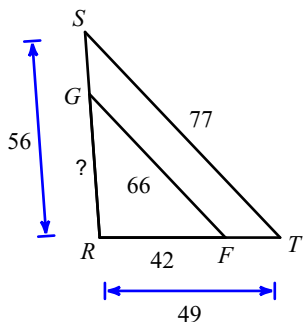
8)



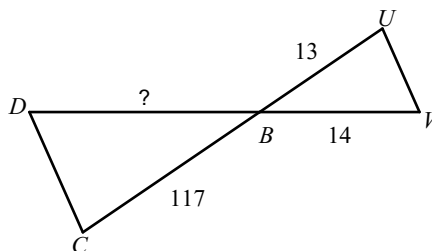
$\triangle PQR \sim$ _____

Find the missing length. The triangles in each pair are similar.

9)

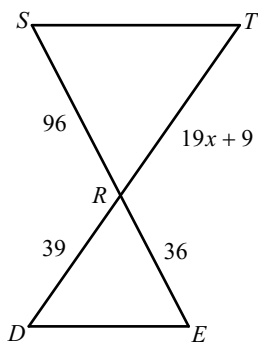


10) $\triangle BCD \sim \triangle BUV$

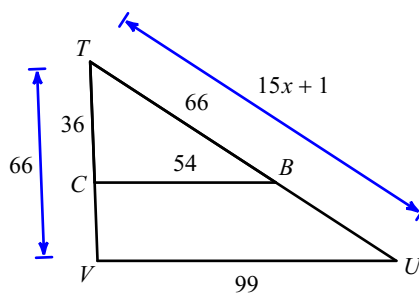


Solve for x . The triangles in each pair are similar.

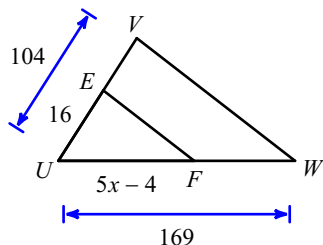
11) $\triangle RST \sim \triangle RED$



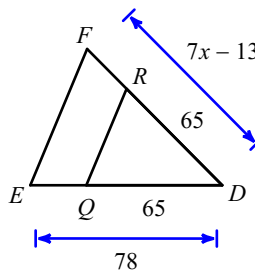
12)



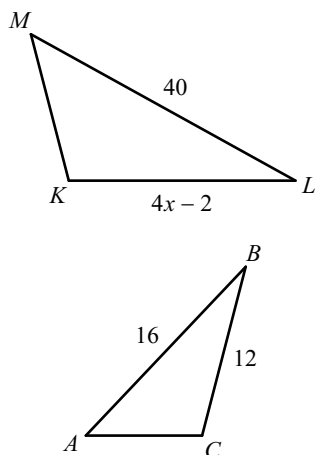
13)



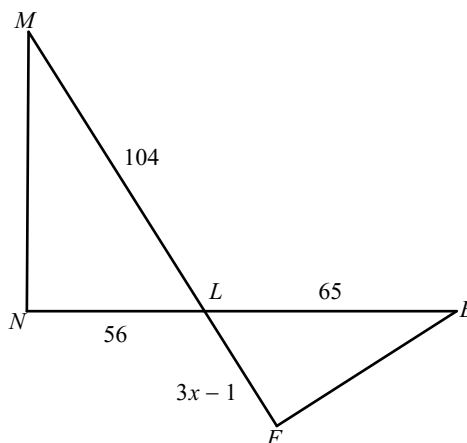
14)



15) $\triangle MLK \sim \triangle ABC$



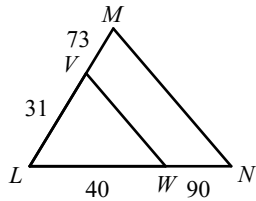
16) $\triangle LMN \sim \triangle LEF$



3.2 - PRACTICE

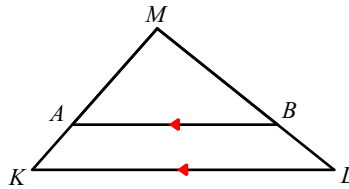
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

1)



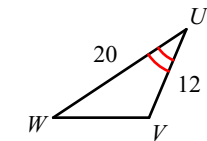
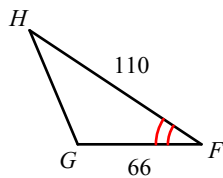
$\triangle LMN \sim$ _____
 not similar

2)



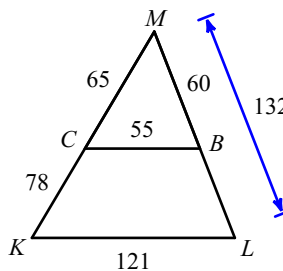
$\triangle MLK \sim$ _____
 similar; AA similarity; $\triangle MBA$

3)



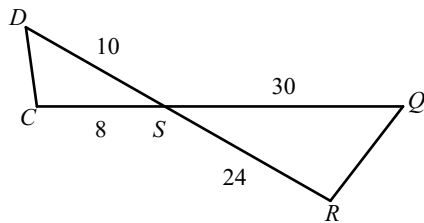
$\triangle FGH \sim$ _____
 similar; SAS similarity; $\triangle UVW$

4)



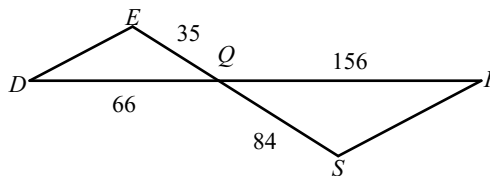
$\triangle MLK \sim$ _____
 similar; SSS and SAS similarity; $\triangle MBC$

5)



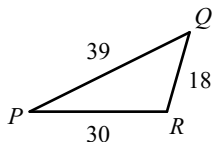
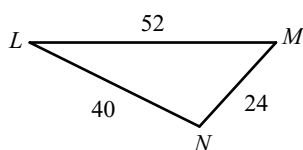
$\triangle SRQ \sim$ _____
 similar; SAS similarity; $\triangle SCD$

6)



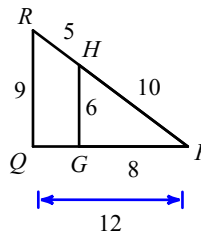
$\triangle QRS \sim$ _____
 not similar

7)



$\triangle LMN \sim$ _____
 similar; SSS similarity; $\triangle PQR$

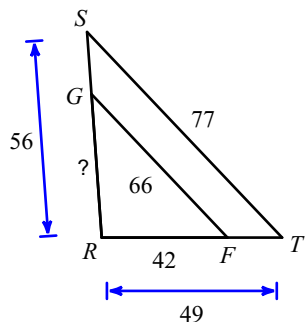
8)



$\triangle PQR \sim$ _____
 similar; SSS and SAS similarity; $\triangle PGH$

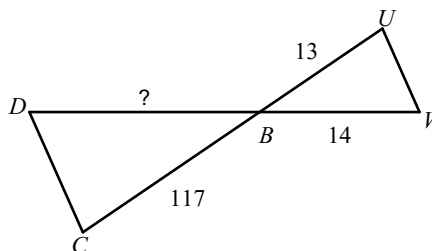
Find the missing length. The triangles in each pair are similar.

9)



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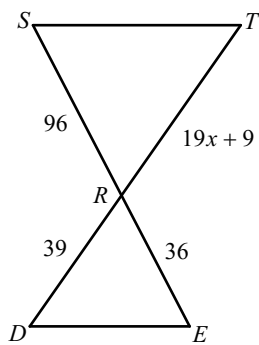
10) $\triangle BCD \sim \triangle BUV$



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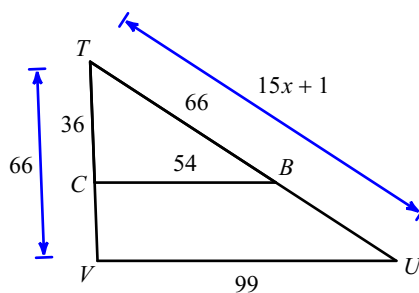
Solve for x . The triangles in each pair are similar.

11) $\triangle RST \sim \triangle RED$



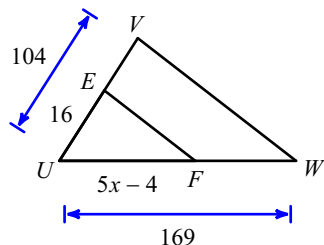
5

12)



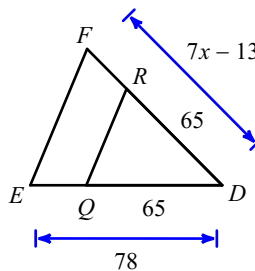
8

13)



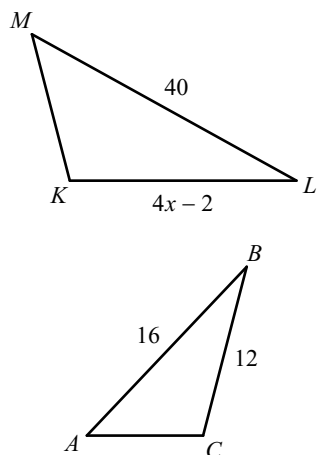
6

14)



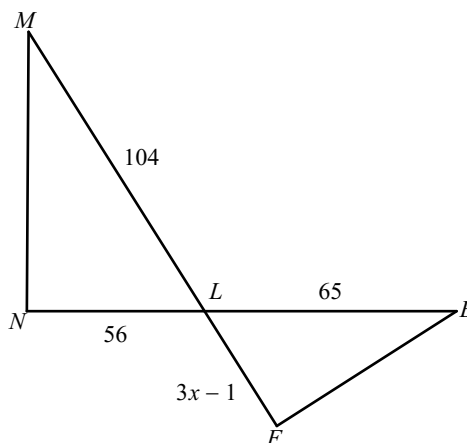
13

15) $\triangle MLK \sim \triangle ABC$



8

16) $\triangle LMN \sim \triangle LEF$



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